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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number	10627281
	Filing Date	2003-07-25
	First Named Inventor	Anne Kirsten Eisentraeger
	Art Unit	2132
	Examiner Name	HO, Thomas M
	Attorney Docket Number	MS1-1275US

## U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5272755		1993-12-21	Miyaji, ; et al.	
	2	6968354		2005-11-22	Kaminaga, ; et al.	
	3	6986054		2006-01-10	Kaminaga, ; et al.	
	4	7079850		2006-07-18	Knudsen	

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## U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20030072443	A1	2003-04-17	Harley, Robert Joseph; et al.	

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## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> i	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	BARRETO, PAULO S.L.M., et al., "Efficient Algorithms for Pairing-Based Cryptosystems," Universidade de Sao Paulo, Escola Politecnica, Sao Paulo (SP), Brazil & Computer Science Department, Stanford University, USA, pp. 1-16.	<input type="checkbox"/>
	2	Boneh, et al., "Identity-Based Encryption from the Weil Pairing," SIAM J. COMPUT., Vol 32, No. 3, pp. 586-615, 2003 Society for Industrial and Applied Mathematics.	<input type="checkbox"/>
	3	Boneh et al., "Short signatures from the Weil pairing," pp. 1-17.	<input type="checkbox"/>
	4	Cantor, "Computing in the Jacobian of a Hyperelliptic Curve," Mathematics of Computation, Vol. 48, No. 177, January 1987, pp. 95-101.	<input type="checkbox"/>
	5	Eisentraeger, et al., "Fast Elliptic Curve Arithmetic and Improved Weil Pairing Evaluation," Topics in Cryptology, CT-RSA 2003, Marc Joye (Ed), pp. 343-354, LNCS 2612, Springer-Verlag, 2003.	<input type="checkbox"/>
	6	FREY, GERHARD et al., "A Remark Concerning m-Divisibility and the Discrete Logarithm in the Divisor Class Group of Curves," Mathematics of Computation, Vol. 62, No. 206, April 1994, pp. 865-874.	<input type="checkbox"/>
	7	Frey, et al., "The Tate Pairing and the Discrete Logarithm Applied to Elliptic Curve Cryptosystems", IEEE Transactions on Information Theory, Vol. 45, NO.5, July 1999, pp 1717-1719	<input type="checkbox"/>
	8	Galbraith, et al., "Implementing the Tate Pairing," Mathematics Dept., Royal Holloway, University of London, Egham, Surrey, UK & Hewlett-Packard Laboratories, Bristol, Filton Road, Stoke Gifford, Bristol, UK, pp. 1-14.	<input type="checkbox"/>

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9	HESS, FLORIAN et al., "Two Topics in Hyperelliptic Cryptography," S. Vaudenay & A. Youssef (Eds.): SAC 2001, LNCS 2259, 2001, pp. 181-189.	<input type="checkbox"/>
10	JOUX, "The Weil and Tate Pairings as Building Blocks for Public Key Cryptosystems (Survey)," C. Fieker and D.R. Kohel (eds.): ANTS 2002, LNCS 2369, pp. 20-32, 2002 (Springer-Verlag Berlin Heidelberg 2002).	<input type="checkbox"/>
11	Koblitz, "Elliptic Curve Cryptography", 01/05/2007, at <<http://www.msri.org/publications/In/msri/1998/crypt/koblitz/1/banner/01.html>>, MSRI, January 11, 1998, pp 1-34	<input type="checkbox"/>
12	MENEZES, ALFRED J., et al., "Reducing Elliptic Curve Logarithms to Logarithms in a Finite Field," (0018-9448/93 1993 IEEE, IEEE Transactions on Information....), 8 pages.	<input type="checkbox"/>

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**EXAMINER SIGNATURE**

Examiner Signature	/Gilberto Barron Jr/	Date Considered	05/13/2010
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**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

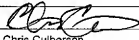
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- ☐ See attached certification statement.
- ☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2007-05-18
Name/Print	Chris Culberson	Registration Number	59136

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